AMG-18
Planning for the August 1.2
Checkpoint

9 April 1997

Topics

Outline activities and process leading to HLA Checkpoint in August 1997

Background: Basis for HLA Evolution

- **Changes/enhancements should be based on issues raised by users of HLA**

- **Changes need to be evaluated in terms of benefits and impacts on the HLA user community**

- **AMG is the focus for evolution including identifying issues, evaluating options for addressing the issues, and approving changes**

- **As other programs begin implementation of HLA, they will be represented in the AMG process**

Background: TST Support to HLA Evolution Process

- **TST members will be designated as focal points for key areas, they will form the core of the TST, and the TST will be the vehicle for integration across areas; current focal points are:**
  - **Bob Lutz: OM**
  - **Reed Little: IF Spec (API)**
  - **Richard Fujimoto: TM**
  - **Katherine Morse: DDM**
  - **Judith Dahmann: Federation Management (FM)**
  - **Phil Zimmerman: Security**

- **A series of technical exchanges in key areas (TM, DDM, FM, OM) are being held regularly to develop an experience base to support HLA evolution**

Five Step Process Reviewed

- **Step 1**
  - **an AMG member expresses a need for a capability**

- **Step 2**
  - **a summary issue paper and investigation plan is developed**

- **Step 3**
  - **plan is executed and AMG monitors progress**

- **Step 4**
  - **recommended changes to HLA spec are drafted**

- **Step 5**
  - **AMG reviews recommended changes**

Regular HLA Checkpoints

- **The six month cycles discussed as part of HLA transition will serve as routine checkpoints in the HLA process**

- **One month prior to each checkpoint**

  - **progress of issue investigations will be checked**

  - **proposed changes in architecture and impact on specification will be evaluated**

  - **draft changes in specifications will be prepared for AMG review**

- **Focal points will be responsible for drafting and integrating changes across the specifications**

- **Checkpoints also provide timing for more marginal changes in specifications (e.g., text updates, deleting parameters)**

  - **Specs have comment forms; these will be maintained by DMSO and coordinated via the TST**

Next checkpoint is August 1997

Prospective Areas for the August Checkpoint

- **Added API**
  - JAVA API is out for review

- **Time Management (TM)**
  - Zero lookahead issue investigation is underway
  - To be discussed under TM agenda item

- **Object Model Template (OMT)**
  - Multiple Inheritance issue investigation is underway
  - To be addressed under OM agenda item

- **Data Distribution Management (DDM)**
  - Feedback from DDM experimentation
    - STOW implementation and Perceptronics experimentation
  - To be discussed under DDM agenda item

DDM and RTI 1.1 Development

- **Objective is to benefit from STOW implementation experience in the development of general use RTI software (RTI 1.1)**

- **DDM technical exchanges have been reviewing both**
  - **The STOW implementation experience and**
  - **The HLA experimentation with this implementation (conducted by Perceptronics)**

- **Work is underway to assess any revisions to the HLA specifications (IF Spec in particular)**
  - **Ideally, any changes would be reflected in IF Spec 1.2, and implemented in RTI 1.1**

- **Propose to accelerate IF Spec revisions to accomplish this**
  - **Draft changes out for review by 1 June**
  - **Acceptance at AMG-19, 18-19 June**
  - **Consider any added changes in August resulting from implementation experience**